

CLAIMS

What is claimed is new and desired to be protected by Letters Patent is set forth in the appended claims:

1. A system for managing utility meters via internet, said system comprising:
 - a) a central station able to communicate over the internet, said central station including an intelligent agent; and
 - b) a meter positioned at a remote location for monitoring a utility supply to the remote location, said meter including a communication device connectable to the internet, wherein said intelligent agent able to autonomously acquire meter data from said meter over the internet thereby allowing said central station to determine an amount of usage of the utility.

2. The system as recited in Claim 1, wherein said system includes a plurality of meters, each meter including a communication device connectable to the internet and being positioned at a predetermined remote location for monitoring a utility supply to the remote location wherein said intelligent agent is able to autonomously acquire meter data from each of said plurality of meters over the internet.

3. The system as recited in Claim 2, wherein said central station includes a plurality of intelligent agents.

4. The system as recited in Claim 3, wherein said plurality of meters are power meters.

5. The system as recited in Claim 4, wherein each of said plurality of meters have a unique Universal Resource Locator.

6. The system as recited in Claim 1, wherein said intelligent agent is able to display data acquired from said meter in a desired format.

7. The system as recited in Claim 6, wherein said central station includes a memory unit for storing said data acquired by said intelligent agent.

8. The system as recited in Claim 1, wherein said intelligent agent acquires data from said meter in real time.

9. The system as recited in Claim 1, wherein said intelligent agent is able to acquire data over a high speed internet connection.

10. The system as recited in Claim 1, wherein said intelligent agent acquires data at predetermined intervals.

11. The system as recited in Claim 1, wherein said meter includes a receiver for receiving data from said intelligent agent, communication between said intelligent agent and said meter being bi-directional.

12. The system as recited in Claim 11, wherein said intelligent agent is able to provide data for updating operation of said meter via the internet.

13. The system as recited in Claim 1, wherein said meter includes at least one of a power meter, a water meter and a gas meter, said intelligent agent acquiring data from any combination of said power meter, water meter and gas meter.

14. The system as recited in Claim 13, wherein said power meter, water meter and gas meter each have a unique Universal Resource Locator.

15. The system as recited in Claim 11, wherein said central station also includes a load forecasting agent able to predict an amount of power used at said remote location based upon data acquired by said intelligent agent.

16. The system as recited in Claim 15, wherein said intelligent agent and said load forecasting agent are able to optimize operation of said meter and supply of a utility to the remote location via said meter.

17. The system as recited in Claim 16, wherein said intelligent agent and said load forecasting agent are able to predict utility requirements under multiple future time horizons.

18. The system as recited in Claim 17, wherein said multiple future time horizons are from 1 hour to 5 days at any desired time interval.

19. The system as recited in Claim 18, wherein said central station includes means for adjusting parameters used by said load forecasting agent thereby increasing a speed of operation and increasing prediction accuracy of said load forecaster.

20. The system as recited in Claim 19, wherein adjustment of said parameters to an optimum number of values and mix of parameters, said load forecasting agent is able to provide increased mathematical stability for future predictions.